Bachelor of Science in Physics  
Option IV: Space Sciences  
2010-12 Catalog (Expires August 2018)

University Core Curriculum

First-Year Signature Course: UGS 302 or 303

English: RHE 306  
Humanities: E 316K

American & Texas Government: 6 hrs from approved core list  
American History: 6 hrs from approved core list

Social and Behavioral Science: 3 hrs from approved core list

Mathematics: 3 hrs from approved core list:  
[M 408N or 408C]

Science and Technology Part I: 6 hrs in a single subject from approved core list:  
Science and Technology Part II: 3 hrs from a subject other than the one chosen for Part I from approved core list:  
[PHY 301]

Visual & Performing Arts: 3 hrs from approved core list

Note that no single course may be used to fulfill two core areas simultaneously. In most cases, students may satisfy both a core requirement and a major requirement with a single course. Plan II students may have additional options for some core requirements.

Additional General Education Requirements

Substantial Writing Components and/or Writing Flags (including a course that is not used to meet a core requirement and a course that is upper-division):  

Substantial Writing Components and Writing Flags may satisfy other specific degree requirements

Foreign Language, Option A, B, or C:  
A) Two semesters in a single language or attainment of second-semester proficiency is one language:  
B) First semester-level proficiency in a foreign language and a three-hour course in the culture of the same language:  
C) Two three-hour culture courses chosen from one foreign culture category from and approved list available in the CNS Dean’s office and the college advising centers.

Introductory Mathematics and Science, with grades of C- or better

Chemistry:  

Physics: PHY 301, PHY 101L + PHY 316, PHY116L + PHY 315, PHY 115L

Mathematics: M 408C + M 408D + M 427K + M 427L

Six additional semester hours of upper-division coursework in Mathematics. A combination of the following courses is recommended: M 340L, M 361, M 362K

Physics Requirements with grades of C- or better

Upper-Division Physics:

24 semester hours of upper-division Physics courses consisting of:  
PHY 329 + PHY 336K + PHY 352K + PHY 353L + PHY 355 + PHY 362K + PHY 369 + PHY 373

Additional Option Requirements:

15 semester hours of upper-division coursework in Aerospace Engineering: ASE + ASE + ASE + ASE + ASE + ASE

-OR-

13 semester hours of coursework in Aerospace Engineering and 3 additional hours of upper-division coursework in Physics:  
ASE + ASE + ASE + ASE + ASE + PHY
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| Enough Additional Elective Hours to Reach a Total of 126 Hours (including 36 Upper-division Hours) |
|__________________________________________________________|
| _____  _____  _____  _____  _____  _____  _____  _____      _____ |

| Minimum Grade Point Average Requirements |
|__________________________________________|
| 2.0 grade point average in all mathematics and science courses required by degree*:  _____ |
| 2.0 grade point average in all courses taken at the University of Texas at Austin:  _____ |

* Required Mathematics and Science courses may include: ACF, AST, BIO, CH, CS, EVS, GEO, HDF, HE, M, NSC, NTR, PHY, SSC, TXA, and UTS-Natural Sciences.

| Total Hours and Residency Requirements |
|______________________________________|
| 126 semester hours:  _____  | 36 upper-division hours  _____ |
| 60 hours in residence:  _____  | 24 of the last 30 hours in residence:  _____ |
| 12 hours of upper division Physics coursework in residence:  _____ |

No more than 16 hours of electives may be taken Pass/Fail.

Students completing an additional degree must complete 24 hours in addition to those counted toward the bachelor's degree that requires the higher number of credit hours.

| Additional Information |
|______________________|
| The following courses will not count toward this degree: KIN 119 or PED one-hour activity courses. Only math courses at the level of calculus or above may be counted toward the degree, and no more than 12 semester hours of bible coursework may be counted toward the degree. See catalog for restrictions about using ROTC coursework. |

*CNS Academic Records February 2012*